

## **CLAIMS**

**1. (Previously Presented)** A computer-readable medium having computer-executable instructions for a media server residing on a home network to perform steps comprising:

establishing a two-way digital connection with a single playback device, the single playback device having a plurality of media types and titles stored therein, wherein at least one of the plurality of media types is a DVD containing a commercially available title;

querying the single playback device for information regarding titles stored on the media in the single playback device;

compiling and caching a title directory for the titles in the single playback device;

receiving a request to use the single playback device from a media client on the home network, the media client being connected to a display device;

sending the title directory to the media client for presenting an interactive user interface on the display device;

receiving a request from the media client for a selected title stored on a DVD in the single playback device;

retrieving contents of the selected title from the DVD in the single playback device; and

transmitting the contents of the selected title to the media client for display on the display device.

**2. (Previously Presented)** A computer-readable medium as in claim 1, wherein the step of compiling the title directory includes accessing the Internet for downloading additional information for a title stored on a DVD in the single playback device, and presenting the downloaded information in the title directory.

**3. (Previously Presented)** A computer-readable medium as in claim 2, wherein the title directory includes a link to an Internet site containing information for a title stored on a DVD in the single playback device.

**4. (Previously Presented)** A computer-readable medium as in claim 1, having further computer-readable instructions for performing the step of presenting the single playback device to the home network for discovery by other devices connected to the home network.

**5. (Original)** A computer-readable medium as in claim 1, having further computer-readable instructions for performing the step of converting the contents of the selected title, and wherein the step of transmitting transmits the converted contents to the media client.

**6. (Previously Presented)** A computer-readable medium as in claim 5, wherein the step of converting adapts the contents of the selected title based on display characteristics of the display device connected to the media client, wherein the converting further comprises mapping from one aspect ratio to another.

**7. (Previously Presented)** A computer-readable medium as in claim 5, wherein the step of converting transcribes the contents of the selected title from one security scheme to another so that the contents is transmitted over the home network with a protection level intended by a publisher of the title.

**8. (Previously Canceled)**

**9. (Previously Canceled)**

**10. (Previously Presented)** A computer-readable medium as in claim 1, wherein the two-way digital connection between the media server and the single playback device is based on the IEEE 1394 standard.

**11. (Previously Presented)** A computer-readable medium having computer-executable instructions for a media client residing on a home network and connected to a display device to perform steps comprising:

presenting on the display device an option to use a single playback device for selection by the user, the single playback device being connected to the home network via a media server and having a plurality of media stored therein, the media comprising a plurality of disparate media types, storage formats, and titles, wherein amongst the plurality of media types, formats, and titles is a plurality of titles stored on DVD's;

receiving a first user input signal selecting the option to use the single playback device;

querying the media server connected to the single playback device for information on the plurality of media stored in the single playback device;

receiving from the media server the information on the plurality of titles stored on the DVD's in the single playback device, the information comprising metadata that provides information about the plurality of titles stored on the DVD's in the single playback device that assists a user to navigate and select a desired title;

presenting an interactive user interface on the display device to present the information on the titles stored on the DVD's in the single playback device;

receiving a second user input signal requesting viewing of a selected title stored on a DVD in the single playback device;

requesting the media server for contents of the selected title;

transcripting the contents of the selected title from one security scheme to another;

receiving the transcribed contents of the selected title from the media server;  
and

displaying the transcribed contents of the selected title on the display device a display device.

**12. (Original)** A computer-readable medium as in claim 11, wherein the display device is a television.

**13. (Original)** A computer-readable medium as in claim 12, wherein the step of displaying includes sending analog video signals to the television.

**14. (Original)** A computer-readable medium as in claim 12, wherein the media client is built into the television.

**15. (Original)** A computer-readable medium as in claim 11, wherein the step of presenting an interactive user interface includes displaying menus on different levels in accordance with received user input signals.

**16. (Previously Presented)** A computer-readable medium as in claim 11, having further computer-readable instructions for performing the step of discovering the single playback device on the home network through the media server.

**17. (Previously Presented)** A home entertainment system comprising:

- a home network;
- a single playback device having a plurality of media types and titles stored therein, the plurality of media types comprising a plurality of DVD's having titles stored thereon;
- a media server connected to the home network and having a two-way digital connection with the single playback device;
- a display device; and
- a media client connected to the display device and connected to the home network,

the media server being programmed to:

- present the single playback device for discovery on the home network;
- compile a title directory for the titles stored on the DVD's in the single playback device, wherein compiling the title directory comprises retrieving metadata associated with a title from a title server, the retrieving further comprising retrieving a predefined number of bits from the title server and using a hash of the predefined number of bits to identify the title on the title server;
- send the title directory to the media client;
- retrieve contents of a selected title from the DVD in the single playback device;

and transmit the contents of the selected title to the media client for display on the display device,

the media client being programmed to:

receive a user request to use the single playback device,

display an interactive user interface on the display device to present the title directory, whereby the title directory comprises the metadata retrieved from the title server,

receive a user input signal selecting the selected title,

request the media server to send the contents of the selected title, and

display the contents of the selected title on the display device.

**18. (Original)** A home entertainment system as in claim 17, wherein the display device is a television.

**19. (Previously Presented)** A home entertainment system as in claim 17, further including an Internet access device connected to the home network, and wherein the media server is further programmed to access the Internet for downloading information for a title stored on a DVD in the single playback device, and presenting the downloaded information in the title directory.

**20. (Previously Presented)** A home entertainment system as in claim 17, wherein the title directory compiled by the media server includes a link to an Internet site containing additional information for a title stored on a DVD in the single playback device.

**21. (Original)** A home entertainment system as in claim 20, wherein the media client is programmed to access the link to obtain the additional information for display on the television.

**22. (Previously Presented)** A home entertainment system as in claim 17, wherein the media server is further programmed to transcribe the contents of the

selected title from one security scheme to another, and transmit the transcribed contents to the media client.

**23. (Previously Presented)** A home entertainment system as in claim 17, wherein the media server is further programmed to:

present an adapting option for selection by the user, the adapting option comprising:

mapping from one aspect ratio to another; and

converting from high-definition to standard-definition; and

adapt the contents of the selected title based on display characteristics of the display device connected to the media client.

**24. (Canceled)**

**25. (Canceled)**

**26. (Previously Presented)** A home entertainment system as in claim 17, wherein the two-way digital connection between the media server and the single playback device is a connection based on the IEEE 1394 standard.